RAW SEQUENCE LISTING PATENT APPLICATION US/08/653,294

DATE: 04/10 TIME: 09:54

1816

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This Raw Listing contains the General Information Section and up to the first 5 pages.

, T	SEQUENCE LISTING	
2		
3	(1) G	eneral Information: APPLICANT: CLAYBERGER, CAROL KRENSKI, ALAN BUELOW, ROLAND
4		· V / F -
5	(1)	APPLICANT: CLAYBERGER, CAROL
6		KRENSKI, ALAN
7		BUELOW, ROLAND
8		
9	(ii)	TITLE OF INVENTION: IMMUNOMODULATING DIMERS
10		
11	(iii)	NUMBER OF SEQUENCES: 37
12		•
13	(iv)	CORRESPONDENCE ADDRESS:
14		(A) ADDRESSEE: MORRISON & FOERSTER
15		(B) STREET: 2000 PENNSYLVANIA AVENUE, NW
16		(C) CITY: WASHINGTON
17		(D) STATE: DC
18		(E) COUNTRY: USA
19		(F) ZIP: 20006-1888
20		
21	(V)	COMPUTER READABLE FORM:
22		(A) MEDIUM TYPE: Floppy disk
23		(B) COMPUTER: IBM PC compatible
24		(C) OPERATING SYSTEM: PC-DOS/MS-DOS
25		(D) SOFTWARE: PatentIn Release #1.0, Version #1.30
26		"1.30" #1.30
27	(vi)	CURRENT APPLICATION DATA:
28		(A) APPLICATION NUMBER: US 08/653,294
29		(B) FILING DATE: 24-MAY-1996
30		(C) CLASSIFICATION:
31		, , , , , , , , , , , , , , , , , , , ,
32	(viii)	ATTORNEY/AGENT INFORMATION:
33		(A) NAME: MILLMAN, ROBERT A.
34		(B) REGISTRATION NUMBER: 36,217
35		(C) REFERENCE/DOCKET NUMBER: 28600-20200.23
36		(-, 1.2.2.2.2.1. NOMBER: 28000-20200:23
37	(ix)	TELECOMMUNICATION INFORMATION:
38	, ——- ,	(A) TELEPHONE: (202) 887-1500
39		(B) TELEFAX: (202) 822-0168
40		(C) TELEX: 90-4030 MRSNFOERSWSH
41		(~) IDDDA: 90-4030 MKBMEOEKBWBM
42		
43	(2) TNFO	RMATION FOR SEQ ID NO:1:
44	(2) INFOR	WENT TOW DOW DEG IN MO:I:
45	/ i \	SEQUENCE CHARACTERISTICS:
46	(-)	(A) LENGTH: 10 amino acids
		(A) DENOIDE IV AMILIO ACIOS

(A) LENGTH: 10 amino acids

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47
               (B) TYPE: amino acid
48
               (C) STRANDEDNESS: single
49
               (D) TOPOLOGY: linear
50
51
52
53
         (ix) FEATURE:
54
               (A) NAME/KEY: Modified-site
55
               (B) LOCATION: 2
56
               (D) OTHER INFORMATION: /label= aa76
       /note= "Glutamic acid (E) or valine (V)"
57
58
59
         (ix) FEATURE:
60
               (A) NAME/KEY: Modified-site
61
               (B) LOCATION: 3
62
               (D) OTHER INFORMATION: /label= aa77
63
       /note= "Aspartic acid (D), serine (S) or asparagine (N)"
64
65
         (ix) FEATURE:
66
               (A) NAME/KEY: Modified-site
67
               (B) LOCATION: 5
68
               (D) OTHER INFORMATION: /label= aa79
       /note= "Arginine (R) or glycine (G)"
69
70
71
         (ix) FEATURE:
72
               (A) NAME/KEY: Modified-site
73
               (B) LOCATION: 6
74
               (D) OTHER INFORMATION: /label= aa80
75
       /note= "isoleucine (I) or asparagine (N)"
76
77
         (ix) FEATURE:
78
               (A) NAME/KEY: Modified-site
79
               (B) LOCATION: 7
80
               (D) OTHER INFORMATION: /label= aa81
81
       /note= "a hydrophobic or small amino acid"
82
83
         (ix) FEATURE:
84
               (A) NAME/KEY: Modified-site
85
               (B) LOCATION: 8
86
               (D) OTHER INFORMATION: /label= aa82
       /note= "arginine (R) or leucine (L)"
87
88
         (ix) FEATURE:
89
90
               (A) NAME/KEY: Modified-site
91
               (B) LOCATION: 9
92
               (D) OTHER INFORMATION: /label= aa83
93
       /note= "glycine (G) or arginine (R)"
94
95
         (ix) FEATURE:
96
               (A) NAME/KEY: Modified-site
97
               (B) LOCATION: 10
98
               (D) OTHER INFORMATION: /label= aa84
99
      /note= "a hydrophobic or small amino acid"
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RAW SEQUENCE LISTING PATENT APPLICATION US/08/653,294

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```
100
101
102
103
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
104
105
           Arg Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa
106
           1
                            5
107
108
      (2) INFORMATION FOR SEQ ID NO:2:
109
110
           (i) SEQUENCE CHARACTERISTICS:
111
                (A) LENGTH: 10 amino acids
112
                (B) TYPE: amino acid
113
                (C) STRANDEDNESS: single
114
                (D) TOPOLOGY: linear
115
116
117
118
          (ix) FEATURE:
119
                (A) NAME/KEY: Modified-site
120
                (B) LOCATION: 9
121
                (D) OTHER INFORMATION: /label= aa76
122 .
        /note= "Glutamic acid (E) or valine (V)"
123
124
          (ix) FEATURE:
125
                (A) NAME/KEY: Modified-site
126
                (B) LOCATION: 8
127
                (D) OTHER INFORMATION: /label= aa77
        /note= "Aspartic acid (D), serine (S) or asparagine (N)"
128
129
130
          (ix) FEATURE:
131
                (A) NAME/KEY: Modified-site
132
                (B) LOCATION: 6
133
                (D) OTHER INFORMATION: /label= aa79
        /note= "Arginine (R) or glycine (G)"
134
135
136
          (ix) FEATURE:
137
                (A) NAME/KEY: Modified-site
138
                (B) LOCATION: 5
139
                (D) OTHER INFORMATION: /label= aa80
140
        /note= "isoleucine (I) or asparagine (N)"
141
142
          (ix) FEATURE:
143
                (A) NAME/KEY: Modified-site
144
                (B) LOCATION: 4
145
                (D) OTHER INFORMATION: /label= aa81
146
        /note= Ja hydrophobic or small amino acid"
147
148
         ★(ix) FEATURE:
149
                (A) NAME/KEY: Modified-site
150
                (B) LOCATION: 3
151
                (D) OTHER INFORMATION: /label= aa82
        /note= "arginine (R) or leucine (L)"
152
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153
154
          (ix) FEATURE:
155
                (A) NAME/KEY: Modified-site
156
                (B) LOCATION: 2
157
                (D) OTHER INFORMATION: /label= aa83
        /note= "glycine (G) or arginine (R)"
158
159
160
          (ix) FEATURE:
                (A) NAME/KEY: Modified-site
161
162
                (B) LOCATION: 1
                (D) OTHER INFORMATION: /label= aa84
163
164
        /note= "a hydrophobic or small amino acid"
165
166
167
168
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
169
170
           Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa Arg
171
                            5
172
173
      (2) INFORMATION FOR SEQ ID NO:3:
174
175
           (i) SEQUENCE CHARACTERISTICS:
176
                (A) LENGTH: 10 amino acids
177
                (B) TYPE: amino acid
178
                (C) STRANDEDNESS: single
179
                (D) TOPOLOGY: linear
180
181
182
183
          (ix) FEATURE:
184
                (A) NAME/KEY: Modified-site
185
                (B) LOCATION: 3
186
                (D) OTHER INFORMATION: /label= X1
187
        /note= "any amino acid, polar or non-polar, preferably polar,
188
        either charged or uncharged"
189
190
          (ix) FEATURE:
191
                (A) NAME/KEY: Modified-site
192
                (B) LOCATION: 6
193
                (D) OTHER INFORMATION: /label= X2
194
       /note= "preferably an amino acid of at least 5 carbon atoms,
195
       which may be polar or non-polar, particularly asparagine and
        isoleucine"
196
197
198
          (ix) FEATURE:
199
                (A) NAME/KEY: Modified-site
200
                (B) LOCATION: 7
201
                (D) OTHER INFORMATION: /label= X3
202
       /note= "non-polar aliphatic amino acid from 2 to 6 carbon atoms,
203
       ispecially isoleucine"
204
205
          (ix) FEATURE:
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206
                (A) NAME/KEY: Modified-site
207
                (B) LOCATION: 8
208
                (D) OTHER INFORMATION: /label= X4
        /note= "any amino acid, particularly aliphatic, either charged
209
210
       or uncharged, preferably at least about 5 carbon atoms, such as
       argninie and leucine"
211
212
213
          (ix) FEATURE:
214
                (A) NAME/KEY: Modified-site
215
                (B) LOCATION: 9
216
                (D) OTHER INFORMATION: /label= X5
217
       /note= "any amino acid, preferably aliphatic, charged or
218
       uncharged, polar or non-polar, particularly glycine and
219
       arginine"
220
221
          (ix) FEATURE:
222
                (A) NAME/KEY: Modified-site
223
                (B) LOCATION: group(8, 9)
224
                (D) OTHER INFORMATION: /note= "X4 or X5 is arginine"
225
226
          (ix) FEATURE:
227
                (A) NAME/KEY: Modified-site
228
                (B) LOCATION: 10
229
                (D) OTHER INFORMATION: /label= X6
230
       /note= "any amino acid, preferably hydrophobic and small"
231
232
          (ix) FEATURE:
233
                (A) NAME/KEY: Modified-site
234
                (B) LOCATION: group(3, 6, 7, 8, 9, 10)
235
                (D) OTHER INFORMATION: /note= "Preferably, X1-X6 will be
236
       S,N,L,R,G,Y or N,I,L,R,Y or D,I,L,L,R,Y, respectively, where one
237
       amino acid in a group may be substituted at the same site for
238
       the amino acid in another group"
239
240
241
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
242
243
          Arg Glu Xaa Leu Arg Xaa Xaa Xaa Xaa
244
245
     (2) INFORMATION FOR SEQ ID NO:4:
246
247
248
           (i) SEQUENCE CHARACTERISTICS:
249
                (A) LENGTH: 6 amino acids
250
                (B) TYPE: amino acid
251
                (C) STRANDEDNESS: single
252
                (D) TOPOLOGY: linear
253
254
255
256
257
258
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
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SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/08/653,294

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